

ABSTRACT OF THE DISCLOSURE

In a data communication system, a client and a server perform a data communication, in particular to provide the client with a instruction data set in response to a content data request message made by client. An instruction format configuration file contains a tree data structure having a plurality of instruction format nodes, each instruction format node indicating a particular combination of instruction elements constituting a particular instruction format and having associated with it a node selection criterion. The program extracts and determines properties from the content data request issued by the client. The program searches the tree data structure with the determined properties in order to find an instruction format node, whose associated node selection condition matches the properties. Thus, the instruction data set returned to the client can be provided in a flexible manner.